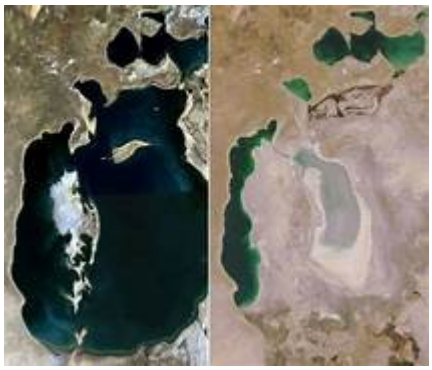
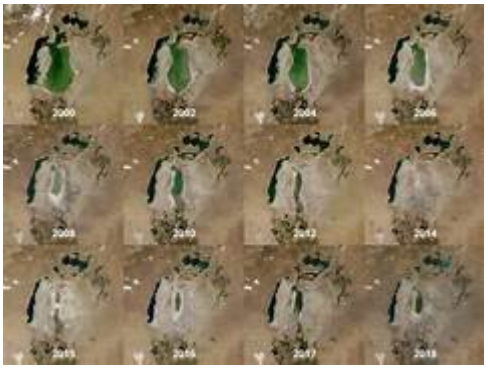
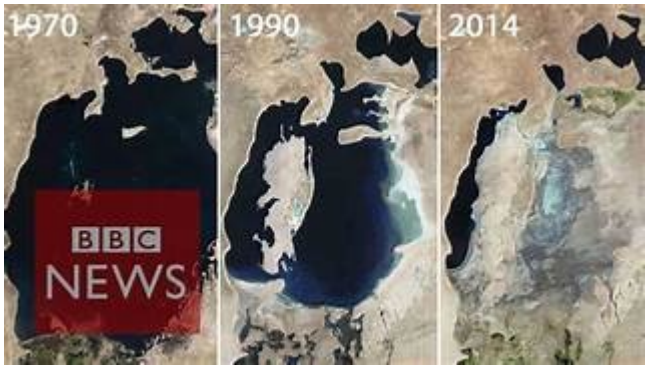
# Ryan Padraig Kelly Aral Sea

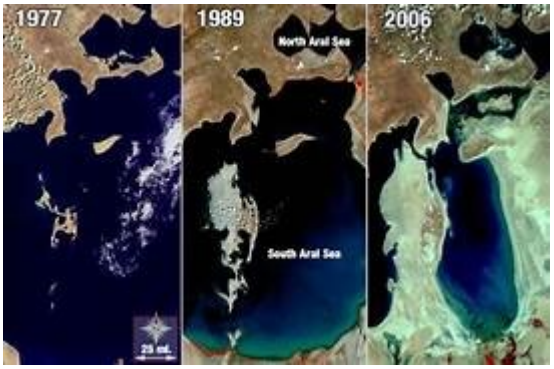


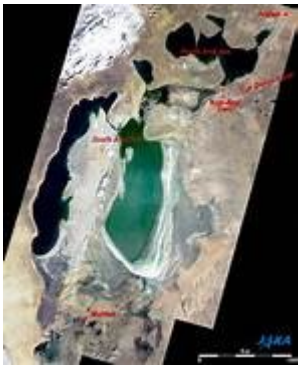


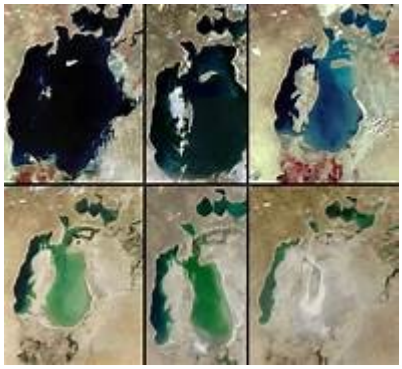
KAZAKHSTAN
ARAL
SEA
UZBEKISTAN
©WorldAtlas

2001
2016


1970
1990
2014
BBC
NEWS


1977
1989
North Aral Sea
South Aral Sea
2006



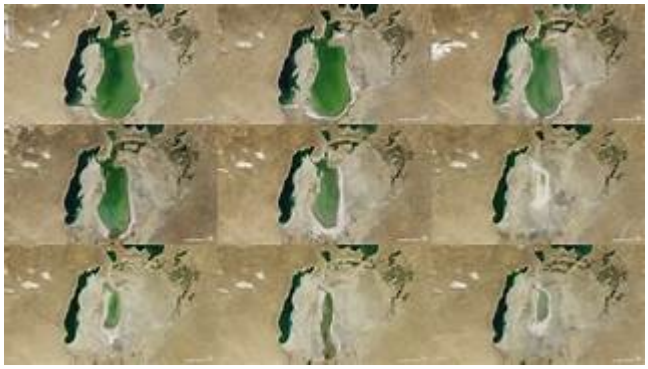


CENTRAL ASIA
National capital
City, town
International boundary
RUSSIAN FEDERATION
ARAL SEA
KAZAKHSTAN
CHINA
KYRGYZSTAN
TURKMENISTAN
UZBEKISTAN
TAJIKISTAN

2000
2009

KAZAKHSTAN
ARAL
SEA
UZBEKISTAN

ARAL SEA
1984
ARAL SEA
2022



RUSSIA
KAZAKHSTAN
CHINA
UZBEKISTAN
TURKMENISTAN
AFGHANISTAN
IRAN
INDIA
PAKISTAN

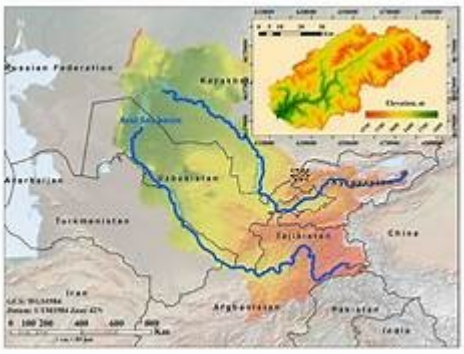
maphill

ARAL SEA
KYZYLORDINSK
U Z B

Aral Sea
KAZAKHSTAN
Syr Darya
UZBEKISTAN
TURKMENISTAN
Amu Darya
CHINA
IRAN
AFGHANISTAN
PAKISTAN

THE SHRINKING ARAL SEA
1960–2014
It was once the world's fourth largest body of inland water but has shrunk to a fraction of its former size because of the diversion of its inflowing rivers for agricultural irrigation.
Land submerged in 1960
1960 coastline
International boundary on former seabed
0 30 60 mi
0 30 60 90 km
© Encyclopædia Britannica, Inc.
Coastline in 1960
KAZAKHSTAN
Aral
Syr Darya
Mŭynoq
Amu Darya
UZBEKISTAN

Kazakhstan
Aral Sea
Syr Darya
Uzbekistan
Caspian Sea
Turkmenistan
Amu Darya

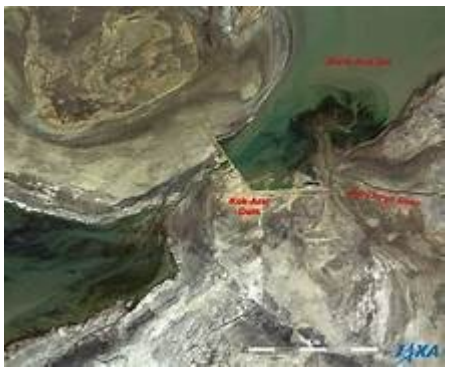


2000
2008

0
100 km
Aral
Kazakhstan
1960
Mo'ynoq
Uzbekistan
Nukus

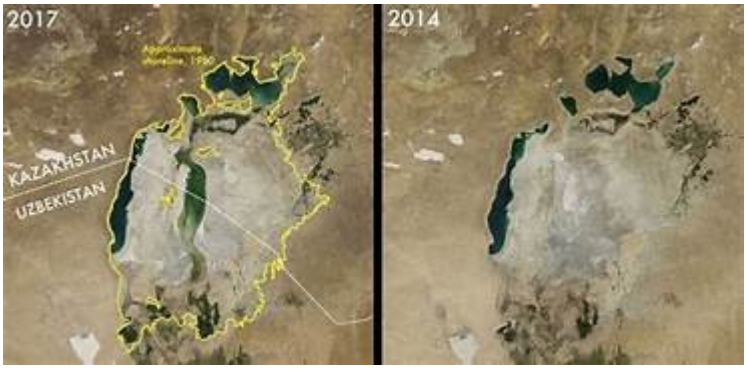
From this...
..to this.

Kazakhstan



Small Aral Sea
Gulf of Tshche-Bas
Western Basin of Large Aral Sea
Eastern Basin of Large Aral Sea

KAZAKHSTAN
The Shrinking of the Aral Sea: Every Year
Aral Sea
Former Aral Sea
Land
1930s: Soviet Union begins first set of irrigation canal projects.
1960: Soviet irrigation canal projects increase, speeding up the shrinkage.
1988: The Aral Sea splits into a North and South Aral Sea.
UZBEKISTAN
1996


2017
KAZAKHSTAN
UZBEKISTAN
2014

1998
2009
2010
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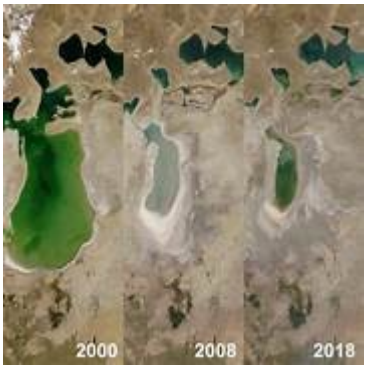
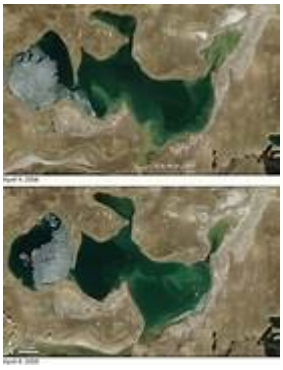
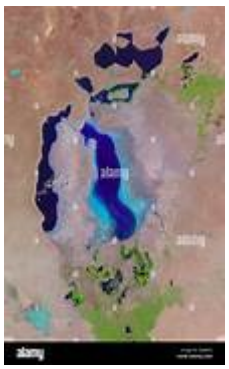
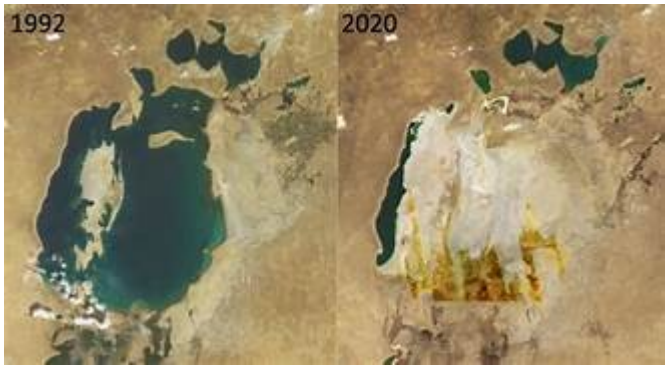
KAZAKHSTAN
ARAL
SEA
UZBEKISTAN

1960
2018

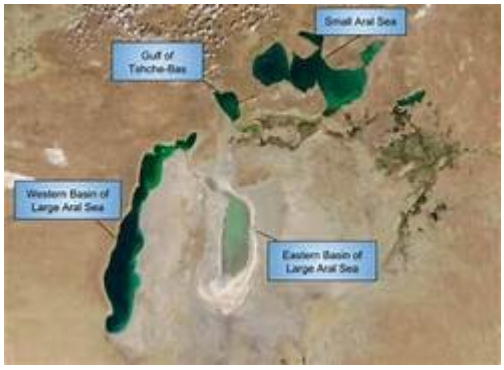

2000
2008
2018






1992
2020

Kazakhstan


Small Aral Sea
Gulf of Tshche-Bas
Western Basin of Large Aral Sea
Eastern Basin of Large Aral Sea

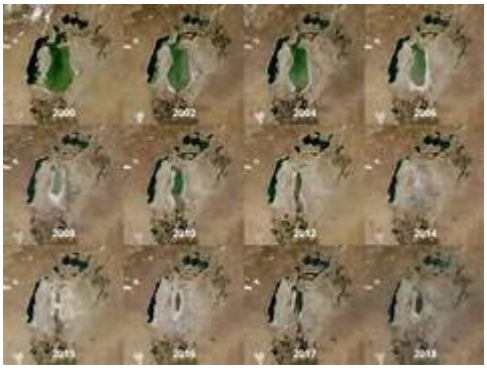
Aral Sea
1989
2014
Where has all the Water gone?

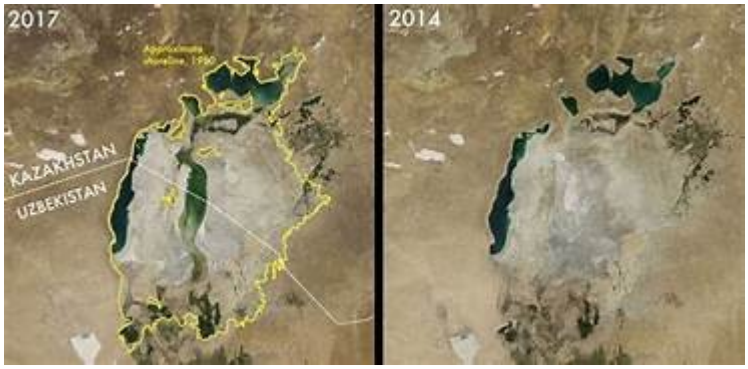
CENTRAL ASIA
ARAL SEA
KAZAKHSTAN
UZBEKISTAN
TURKMENISTAN

2000

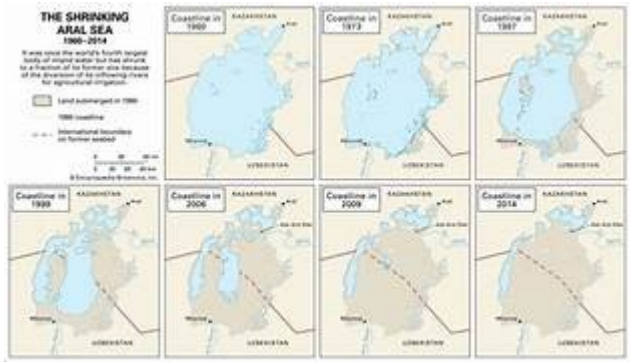
Kazakhstan
Aral Sea
Syr Darya
Uzbekistan
Caspian Sea
Turkmenistan
Amu Darya

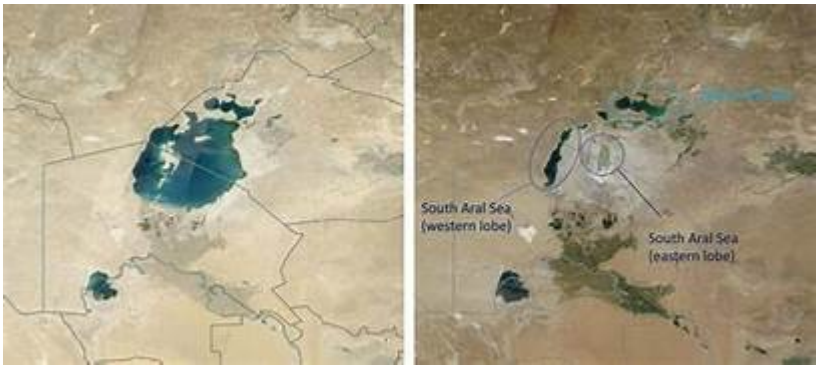
ARAL SEA
(1999)
ARAL SEA
(2013)

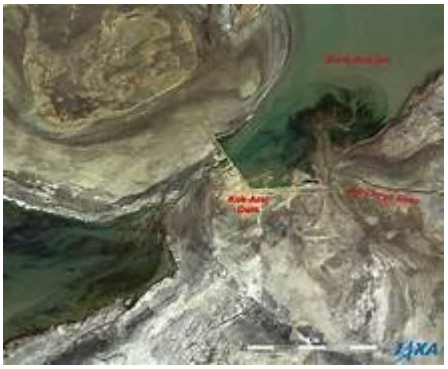



2017
2014
KAZAKHSTAN
UZBEKISTAN

alamy


THE SHRINKING
ARAL SEA
1960–2014


South Aral Sea
(western lobe)
South Aral Sea
(eastern lobe)



KAZAKHSTAN
Aral Sea
1960 coastline
Caspian Sea
UZBEKISTAN
TURKMENISTAN

From this...
..to this.

July – September, 1989
August 12, 2003
August 16, 2009

KAZAKHSTAN
UZBEKISTAN
The Shrinking of the Aral Sea: Every Year
Aral Sea
Former Aral Sea
Land
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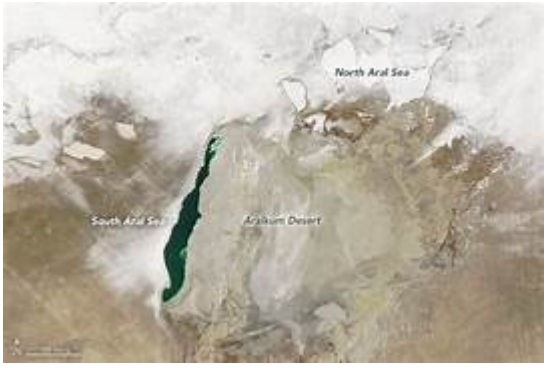
1996


North Aral Sea
South Aral Sea
Aralkum Desert